In view of the preceding amendments and the following remarks, this rejection and objection are traversed, and reconsideration of this application is respectfully requested.

Applicant is submitting herewith proposed drawing changes, as indicated in red on the enclosed drawing sheets. Particularly, figure 1 has been labeled as prior art, reference numerals 24a, 24b and 26d have been removed from figure 2, reference numerals 24b', 26', 26a', 26b' and 28' have been removed from figure 4 and reference numeral 142 has been added to figure 11. Further, reference numeral 84 has been added to the specification. In view of the proposed drawing changes, it is respectfully requested that the objection to the drawings be withdrawn. Applicant will submit corrected formal drawings once the Examiner has approved the proposed drawing changes.

Applicant's invention is a method of analyzing a sub-model of a full system model, and a related system. The method includes defining the sub-model as a collection of entities; determining which of the entities in the sub-model are calculation entities and which are data entities; converting the calculation entities in the sub-model that depend on entities in the full model that are not included in the sub-model into temporary data entities; identifying output entities in the sub-model; and analyzing the sub-model by performing the calculation for the calculation entities. Applicant's specification defines the calculation entities and data entities, and defines what it means to convert the calculation entities that depend on entities in the full model that are not included in the sub-model into temporary data entities. Applicant's background discusses the unique advantage that Applicant's claimed invention provides.

U.S. Patent No. 5,551,018 issued to Hansen discloses a system and method for sorting information. The Examiner has suggested that column 2, lines 38-48 anticipate the method steps of independent claim 1 and the system elements of independent claim 13. This section of Hansen shows lines of C code for sorting information. Applicant is at a loss as to how to respond to the Examiner's position that the lines of C code in the sorting Algorithm disclosed by Hansen anticipates Applicant's independent claims 1 and 13.

MPEP 2131 states that a claim is anticipated only if each and every element in the claim is found, either expressly or inherently described, in a single prior art reference, and the identical invention must be shown in as complete detail as is contained in the claim. Applicant respectfully submits that the Examiner has not met this requirement of anticipation.

The lines of C code identified by the Examiner in Hansen are part of a sorting algorithm, and do not define sub-models as a collection of entities, determine which of the entities in the sub-model are calculation entities and which are data entities, and convert the calculation entities in the sub-model that depend on entities in the full model that are not included in the sub-model into temporary data entities. What does the Examiner mean that the step of converting the calculation entities in the sub-model into temporary data entities is shown by v=a[i]; j=i?

Applicants method steps and system elements are specifically defined in the specification, and do not remotely relate to lines of C code for a sorting algorithm. The Examiner has not met her burden of proof to show that Hansen

anticipates Applicant's claimed invention. The Examiner is respectfully requested to withdraw the §102 rejection because it is improper.

It is now believed that this application is in condition for allowance. If the Examiner believes that personal contact with applicant's representative would expedite prosecution of this application, she is invited to call the undersigned at her convenience.

Respectfully submitted,

By: John A. Miller

John A. Miller
Reg. No. 34985
Phone: (248) 364-4300

General Motors Corporation
300 Renaissance Center
P.O. Box 300
Detroit, MI 48265-3000
(313) 665-4708

Dated: 6/20/03

O I P E JC54
JUN 26 2003
PATENT & TRADEMARK OFFICE

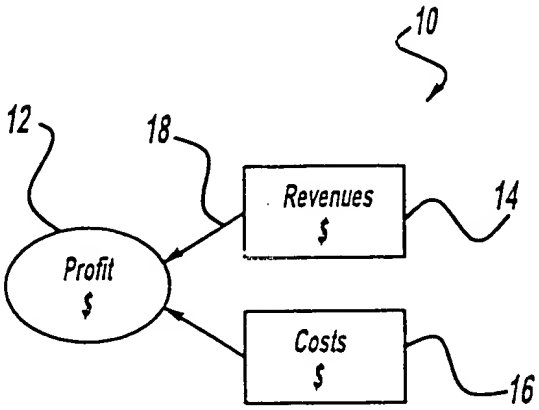

Figure - 1
(Prior Art)

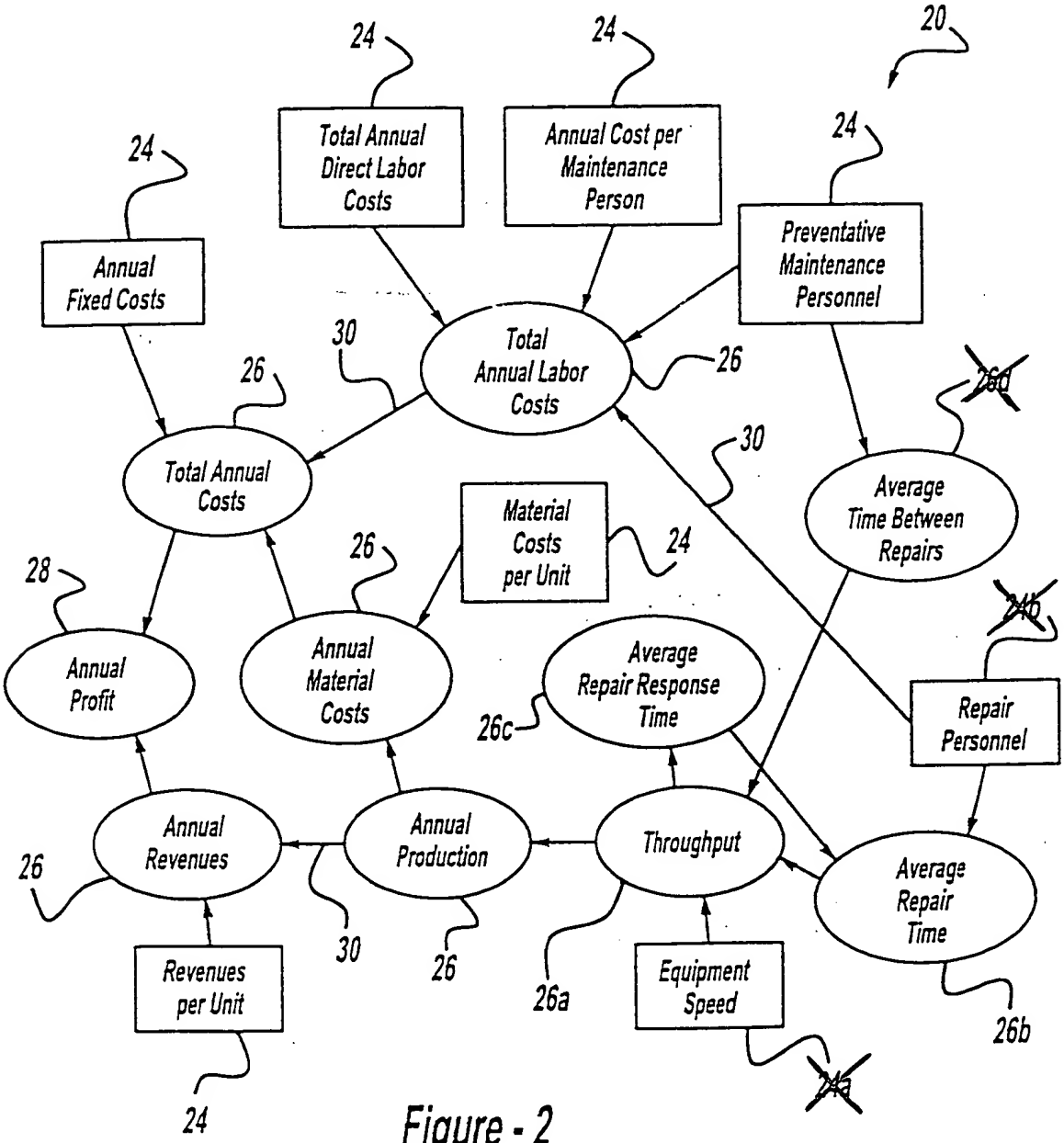

Figure - 2

OIPE
JUN 26 2003
PATENT & TRADEMARK OFFICE

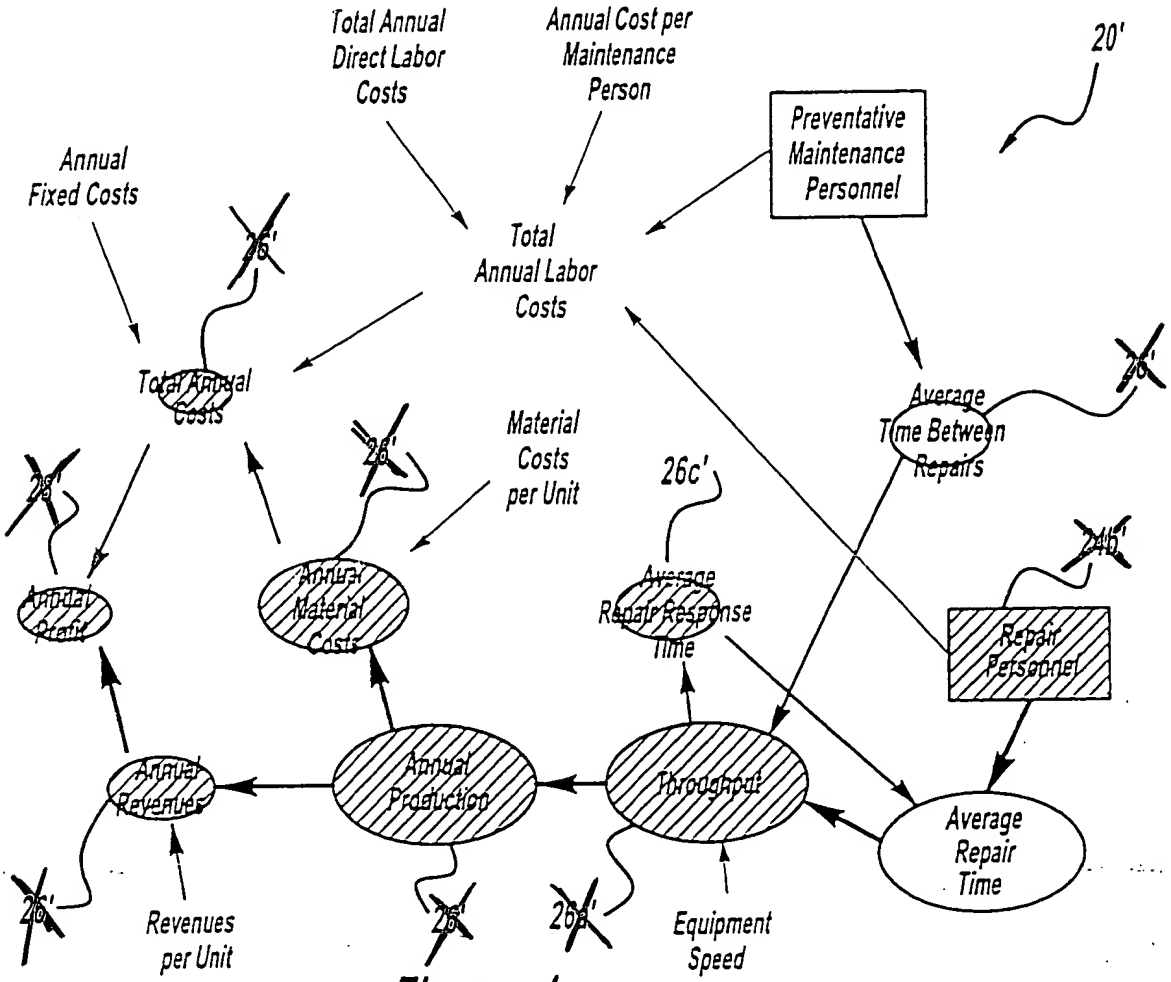

Figure - 4

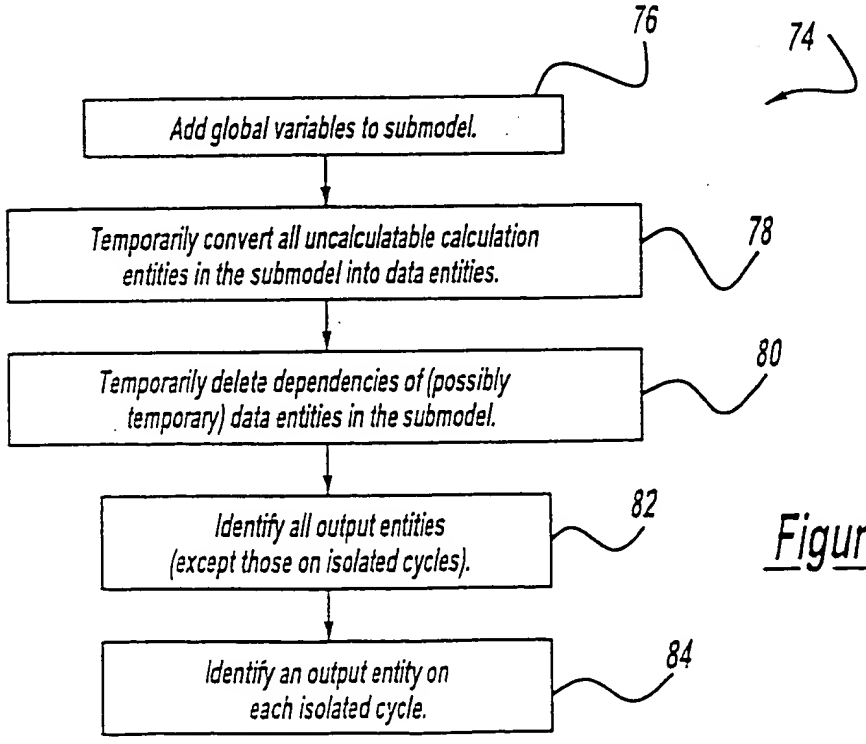

Figure - 6

OIPE JC54
JUN 2 6 2003
PATENT & TRADEMARK OFFICE

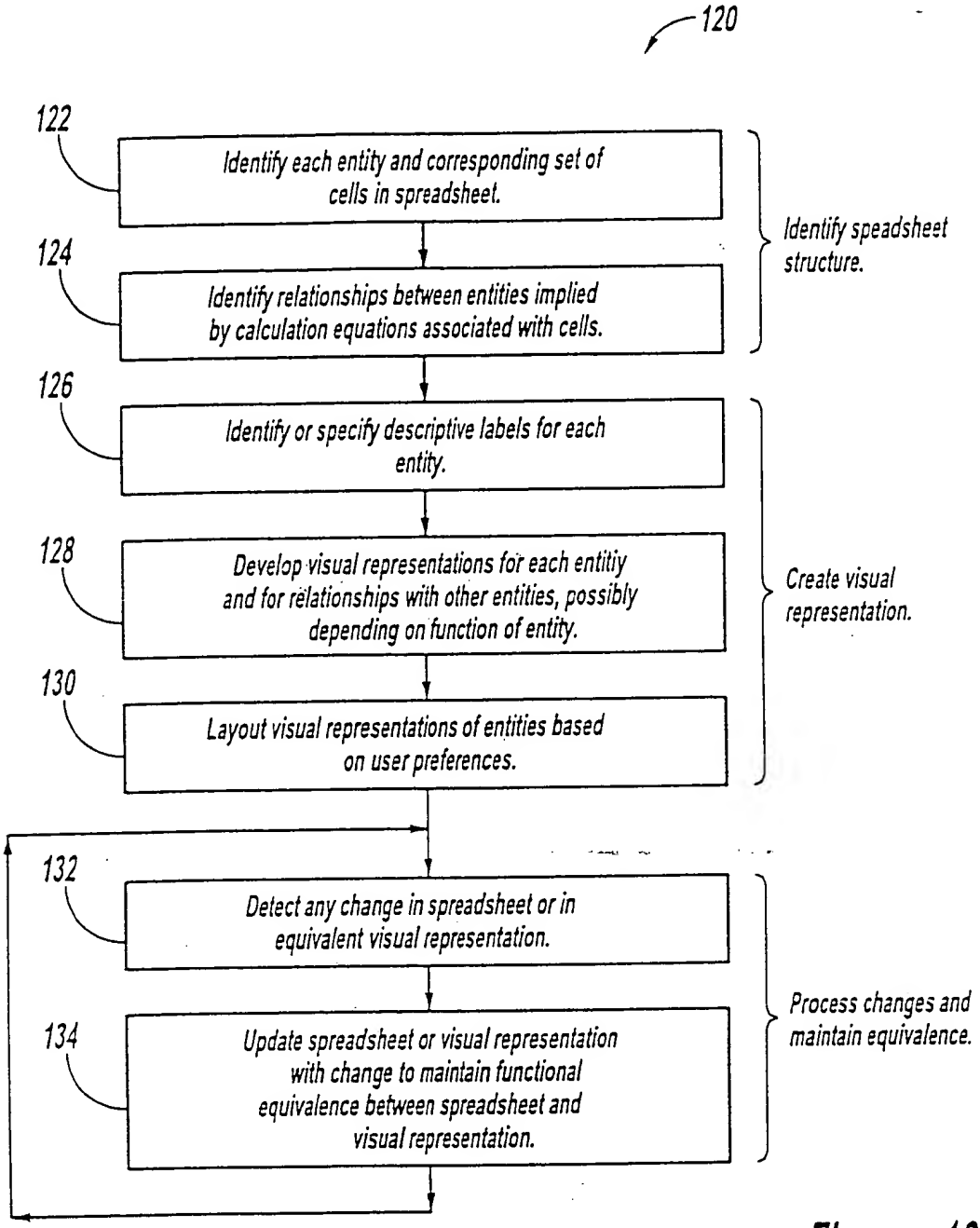

Figure - 10

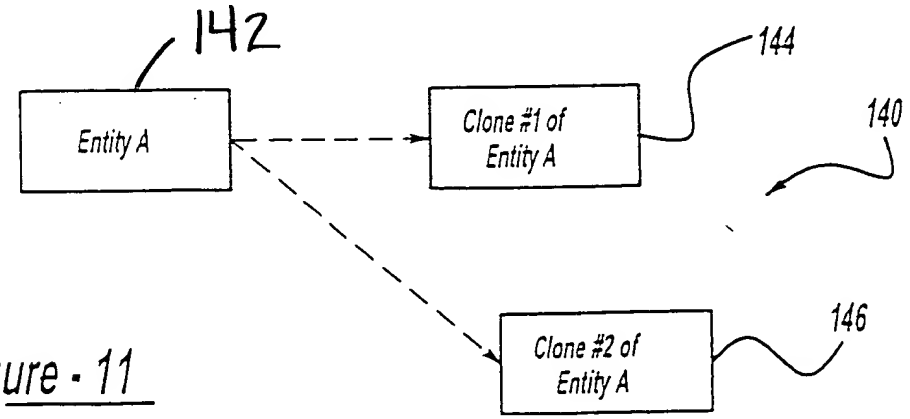

Figure - 11